

Notice of Allowability

Application No.

09/500,293

Examiner

Thomas H. Stevens

Applicant(s)

WOLFE, ROBERT H.

Art Unit

2123

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the amendment filed 12/12/2005.
2. ☒ The allowed claim(s) is/are 1-37.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|---|
| 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____ |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____ |

DETAILED ACTION

1. Claims 1-37 were examined.

Allowable Subject Matter

2. Claims 1-37 are allowed.

3. The following is an examiner's statement of reasons for allowance:

While US Patent 6,603,476 teaches a CAD (computer-aided design) system comprising: a data processing system comprising a CAD application the CAD application being executed by the data processing system to generate a CAD model of a physical model, the CAD model comprising a plurality of CAD representations wherein each CAD representation corresponds to an individual component part of the physical model; and (claim 1); US Patent 4,918,627 teaches a method for generating a CAD (computer-aided design) model of a corresponding physical model comprising a plurality of component physical parts, the method comprising the steps of (claim 15); Ouhyoung et al., "A Three-Dimensional Building Authoring Tool Based on Line Drawing Understanding" teaches a program storage device readable by a recongintion machine,tangibly embodying a program of instruccions executable by the machine to perform method steps for generating a CAD (computer-aided design) model None of these references, taken either alone or in combination, with the prior art of record disclose a tracking system for generating tracker data associated with a given component part, (claim1) including:

(claim 1) "wherein the CAD application processes the tracker data to generate a CAD representation of the given component part and to determine the position and orientation of the given component part with respect to the physical model before and after the given component part is placed in a desired position in the physical model,"

(claim 15) "tracking coordinates of the relevant points of the CAD representation of the component physical part in relation to coordinates of the CAD model before and after the physical component part is placed in a desired position in the physical model; and adding the CAD representation of component physical part to the CAD model such that the CAD model comprises an ensemble of individual CAD representations of component physical parts,"

(claim 27) "of generating a CAD representation of a given component physical part based on relevant points of the component physical part; tracking coordinates of the relevant points of the CAD representation of the component physical part in relation to coordinates of the CAD model before and after the physical component part is placed in a desired position in the physical model; and adding the CAD representation of component physical part to the CAD model such that the CAD model comprises an ensemble of individual CAD representations of component physical parts,"

in combination with the remaining elements and features of the claimed invention. It is for these reasons that the applicant's invention defines over the prior art of record.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance".

Correspondence Information


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mr. Tom Stevens whose telephone number is 571-272-3715, Monday-Friday (8:00 am- 4:30 pm EST).

If attempts to reach the examiner by telephone are unsuccessful, please contact examiner's supervisor Mr. Paul Rodriguez 571-272-3753. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Answers to questions regarding access to the Private PAIR system, contact the Electronic Business Center (EBC) (toll-free (866-217-9197)).

February 25, 2006

TS


Paul D. Rodriguez 3/2/06
Primary Examiner
Art Unit 2125